

THE INFORMATION TECHNOLOGY (IT) CAREER PATHWAY

Students in school develop the IT skills that they need for learning in the classroom. Students make charts and graphs on computers to illustrate mathematics problems. They write and illustrate stories to develop language arts skills. They use the Internet to conduct research for term papers in English, Social Studies and foreign language classes. They use word processing to write their reports and format them with references and bibliographies.

WHO NEEDS "IT"?

We all do, that's who.

WHAT IS "IT"?

Information Technology (IT) is the study, design, development, implementation, support or management of computer-based information systems, particularly software applications and computer hardware.

WHAT IS THE PURPOSE OF THE IT CAREER PATHWAY?

To provide a curriculum to help prepare today's students to become tomorrow's "technically literate" workforce.

WHAT WILL YOU, THE TECHNICALLY LITERATE STUDENT, BE ABLE TO DO?

- Read, understand and communicate in the language of a career field
- Use mathematical skills, reasoning and understanding
- Understand technical concepts, principles and procedures
- Use basic technology

IS THERE A NEED FOR A TECHNICALLY LITERATE WORKFORCE?

Yes, in nearly all industries. Businesses from the largest manufacturer to the smallest

store rely on information technology to compete in a global economy. The National Dissemination Center for Career & Technical Education reported in a brief that "two-thirds of the fastest growing occupations over the next decade are in the computer and health fields." In addition, NH Employment Security's Economic and Labor Market Information Bureau reinforced the need to develop an IT Career Pathway with the following statistics:

- Computer-related jobs hold four of the five fastest growing occupations
- Systems Analysts will both add large numbers of new jobs and grow at a high rate
- Jobs that require a bachelor's degree, along with some work experience, will register the most growth

WHAT IS INCLUDED IN THE PATHWAY?

The IT Career Pathway (ITCP) includes core technical, academic and employability skills in four occupational areas:

interactive media, programming and software development, network systems, and information services and support.

WHAT IS IT & ME?

It is strongly recommended that ALL schools offer a foundation course that delivers skills and competencies needed to live and learn within today's highly technological society. **IT & ME** is a model curriculum developed by business teachers who participated in the Western Region's IT Educator in the Workplace Summer 2001 Institute. The course outline, along with lesson plans, is featured in the IT Resource Guide. The curriculum integrates technical and employability skills around the four IT occupational strands.

There continues to be a serious shortage of IT workers throughout the country.

Information Technology Association of America and William M. Mercer, Inc.

For additional information, please contact Marsha Miller, 332-0925 (mamiller@ttlc.net) or Ken Forcier, 464-4349 (kmf@conknet.com), Western Region Business and Education Partnership

Brought to you by:
NHCRN
New Hampshire Career Resource Network
New Hampshire Employment Security
Economic & Labor Market Information Bureau
32 So. Main Street (603) 229-4489 Concord, NH 03301